

FAASTeam Western Pacific presents:

The Man-Machine Interface: Human Factors of Advanced Avionics

The digital revolution has found its way into the general aviation cockpit, and brought with it a wide array of new capabilities, better information and improved situational awareness. Round-gauge airplanes have not been available (except by special order) from any of the major general aviation manufacturers for nearly a decade. Like the airline pilots before us, general aviation pilots are quickly becoming managers of complex digital systems. There are many benefits to this paradigm shift, but it does not come without bringing in some new problems. Come and learn from this highly-experienced pilot, flight instructor, and degreed electrical engineer as he takes you through the human factors issues that are of critical importance to every pilot utilizing advanced avionics. Topics will include NAT (Normal Accident Theory), software reliability, the 'head-down-and-locked' phenomenon, mode confusion, catastrophic keystroke error, and skill atrophy. Examples will be related to various systems including the G1000 and Avidyne glass cockpits, GNS430/530 series navigators, KLN94 GPS, and various autopilots. We will also discuss EFBs (Electronic Flight Bags) such as the iPad running Foreflight. You will learn what to look for, and how to arrange your process such that you can maximize the utility of these systems while

Event Details

Thu, Oct 10, 2013 - 7:00 pm
**Trade Winds Aviation / Reid-
Hillview Airport**

2500 Cunningham Ave.
Terminal Building
San Jose, CA 95148



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reducing the probability of errors.

Directions: On Hwy 680 exit onto Capital Expressway. Travel SE on Capital. At Cunningham Ave (3rd light) turn Right. Trade Winds Aviation is ahead on the Right, the Terminal Building to the Left.

A message from the National FAASafety Manager

Invite a fellow pilot to the next WINGS Safety Seminar in your area.

Sign up for the FAA's safety services at www.FAASafety.gov!

The FAA Safety Team (FAASafety) is committed to providing equal access to this meeting/event for all participants. If you need alternative formats or services because of a disability, please communicate your request as soon as possible with the person in the "Contact Information" area of the meeting/event notice. Note that two weeks is usually required to arrange services.